

**The Hawaii-California Pelagic Longline Vessels
Semi-annual Report
1 January–30 June, 2019¹**

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This semi-annual report for the period 1 January–30 June, 2019, contains summary data summaries of fishing effort and catch statistics as reported on longline log sheets for the Hawaii-California longline limited-entry fishery. Data in this report originate from the PIFSC Information Management System (Oracle) table LLDS_REPORT_STATS_RFMO_HC, representing preliminary data received as of 15 March 2020. Catch and effort statistics are based on date of longline haul. When a statistic (number of vessels, trips) involves dates of haul in two summary periods (i.e., years, semi-annual, quarters), the item is counted in both summary periods. Thus, a trip total is for “partial and completed” trips. As such, these statistics are not additive (i.e., sum of four quarters is not the total for the year).

The following tables show fishery statistics for the stated time period, area, and set type, and include effort (number of vessels, trips, sets, and hooks set). For each listed species, organized by pelagic management unit species (PMUS), the table includes the number of fish caught, kept, and released, and the catch per unit effort (CPUE), measured as the number of fish caught per 1,000 hooks.

References:

Pacific Islands Fisheries Science Center, 2020: Hawaii Longline Logbook,
<https://www.fisheries.noaa.gov/inport/item/2721>

Southwest Fisheries Science Center, 2020: California Pelagic Longline Fishery,
<https://www.fisheries.noaa.gov/inport/item/12906>

¹PIFSC Data Report DR-20-009. Issued 04 September 2020
<https://doi.org/10.25923/b3ed-j912>

Table 1. For the period 1 January - 30 June, 2019, Hawaii and California permitted longline fisheries semi-annual statistics for all fishing areas and all fishing categories (set types), including effort (number of vessels, trips, sets, and hooks set), and for each listed species, organized by pelagic management unit species (PMUS) groups of billfish, shark, tuna, and other, along with the number of fish caught, kept, and released, and the catch per unit effort (CPUE, number per 1,000 hooks, calculated as the sum of fish caught divided by the sum of hooks set). Data Source: PIFSC Information Management System, Longline Logbook Data.

Report Coverage

Time Period 1 January - 30 June, 2019
Set Types All sets
Fishing Area All Areas

Number of vessels active	145
Number of trips (partial or completed)	899
Number of sets	11,513
Number of hooks set	31,700,523

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	6,602	6,563	39	0.21
Striped marlin	11,026	10,822	204	0.35
Shortbill spearfish	10,077	9,914	163	0.32
Swordfish	6,702	6,522	180	0.21
Other billfishes	185	181	4	0.01
Total	34,592	34,002	590	1.09
Shark PMUS				
Blue shark	46,939	2	46,937	1.48
Mako sharks	2,417	294	2,123	0.08
Thresher sharks	5,655	29	5,626	0.18
Oceanic whitetip shark	221	0	221	0.01
Silky shark	219	0	219	0.01
Total	55,451	325	55,126	1.75
Tuna PMUS				
Albacore	1,702	1,622	80	0.05
Bigeye tuna	112,802	110,504	2,298	3.56
Yellowfin tuna	27,470	26,700	770	0.87
Bluefin tuna	2	2	0	0.00
Skipjack tuna	20,507	20,285	222	0.65
Other tunas	0	0	0	0.00
Total	162,483	159,113	3,370	5.13
Other PMUS				
Mahimahi	18,070	17,943	127	0.57
Moonfish	10,870	10,824	46	0.34
Wahoo	24,535	24,432	103	0.77
Oilfish	8,189	6,889	1,300	0.26
Pomfret	29,336	29,133	203	0.93
Total	91,000	89,221	1,779	2.87
Total PMUS	343,526	282,661	60,865	10.84
Non-PMUS Sharks	150	0	150	0.00
Total Non-PMUS	1,332	80	1,252	0.04
Total All Species	344,858	282,741	62,117	10.88

Table 2. For the period 1 January - 30 June, 2019, Hawaii and California permitted longline fisheries semi-annual statistics for fishing within the U.S. EEZ (Main Hawaiian Islands, Northwest Hawaiian Islands, or the Pacific Remote Islands, and with all fishing categories (set types), including effort (number of vessels, trips, sets, and hooks set), and for each listed species, organized by pelagic management unit species (PMUS) groups of billfish, shark, tuna, and other, along with the number of fish caught, kept, and released, and the catch per unit effort (CPUE, number per 1,000 hooks, calculated as the sum of fish caught divided by the sum of hooks set). Data Source: PIFSC Information Management System, Longline Logbook Data.

Report Coverage

Time Period 1 January - 30 June, 2019
Set Types All sets
Fishing Area Inside U.S. EEZ

Number of vessels active	132
Number of trips (partial or completed)	441
Number of sets	2,878
Number of hooks set	7,901,192

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	1,874	1,862	12	0.24
Striped marlin	3,482	3,466	16	0.44
Shortbill spearfish	2,605	2,572	33	0.33
Swordfish	901	893	8	0.11
Other billfishes	29	29	0	0.00
Total	8,891	8,822	69	1.13
Shark PMUS				
Blue shark	11,903	0	11,903	1.51
Mako sharks	552	85	467	0.07
Thresher sharks	722	2	720	0.09
Oceanic whitetip shark	76	0	76	0.01
Silky shark	82	0	82	0.01
Total	13,335	87	13,248	1.69
Tuna PMUS				
Albacore	82	82	0	0.01
Bigeye tuna	23,976	23,714	262	3.03
Yellowfin tuna	6,419	6,328	91	0.81
Bluefin tuna	0	0	0	0.00
Skipjack tuna	4,889	4,856	33	0.62
Other tunas	0	0	0	0.00
Total	35,366	34,980	386	4.48
Other PMUS				
Mahimahi	3,069	3,055	14	0.39
Moonfish	1,421	1,419	2	0.18
Wahoo	4,682	4,669	13	0.59
Oilfish	1,918	1,673	245	0.24
Pomfret	8,435	8,379	56	1.07
Total	19,525	19,195	330	2.47
Total PMUS	77,117	63,084	14,033	9.76
Non-PMUS Sharks	26	0	26	0.00
Total Non-PMUS	97	20	77	0.01
Total All Species	77,214	63,104	14,110	9.77

Table 3. For the period 1 January - 30 June, 2019, Hawaii and California permitted longline fisheries semi-annual statistics for fishing outside the U.S. EEZ and with all fishing categories (set types), including effort (number of vessels, trips, sets, and hooks set), and for each listed species, organized by pelagic management unit species (PMUS) groups of billfish, shark, tuna, and other, along with the number of fish caught, kept, and released, and the catch per unit effort (CPUE, number per 1,000 hooks, calculated as the sum of fish caught divided by the sum of hooks set). Data Source: PIFSC Information Management System, Longline Logbook Data.

Report Coverage

Time Period 1 January - 30 June, 2019
Set Types All sets
Fishing Area Outside U.S. EEZ

Number of vessels active	144
Number of trips (partial or completed)	782
Number of sets	8,635
Number of hooks set	23,799,331

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	4,728	4,701	27	0.20
Striped marlin	7,544	7,356	188	0.32
Shortbill spearfish	7,472	7,342	130	0.31
Swordfish	5,801	5,629	172	0.24
Other billfishes	156	152	4	0.01
Total	25,701	25,180	521	1.08
Shark PMUS				
Blue shark	35,036	2	35,034	1.47
Mako sharks	1,865	209	1,656	0.08
Thresher sharks	4,933	27	4,906	0.21
Oceanic whitetip shark	145	0	145	0.01
Silky shark	137	0	137	0.01
Total	42,116	238	41,878	1.77
Tuna PMUS				
Albacore	1,620	1,540	80	0.07
Bigeye tuna	88,826	86,790	2,036	3.73
Yellowfin tuna	21,051	20,372	679	0.88
Bluefin tuna	2	2	0	0.00
Skipjack tuna	15,618	15,429	189	0.66
Other tunas	0	0	0	0.00
Total	127,117	124,133	2,984	5.34
Other PMUS				
Mahimahi	15,001	14,888	113	0.63
Moonfish	9,449	9,405	44	0.40
Wahoo	19,853	19,763	90	0.83
Oilfish	6,271	5,216	1,055	0.26
Pomfret	20,901	20,754	147	0.88
Total	71,475	70,026	1,449	3.00
Total PMUS	266,409	219,577	46,832	11.19
Non-PMUS Sharks	124	0	124	0.01
Total Non-PMUS	1,235	60	1,175	0.05
Total All Species	267,644	219,637	48,007	11.25

Table 4. For the period 1 January - 30 June, 2019, Hawaii and California permitted longline fisheries semi-annual statistics for all fishing areas and with shallow set type, including effort (number of vessels, trips, sets, and hooks set), and for each listed species, organized by pelagic management unit species (PMUS) groups of billfish, shark, tuna, and other, along with the number of fish caught, kept, and released, and the catch per unit effort (CPUE, number per 1,000 hooks, calculated as the sum of fish caught divided by the sum of hooks set). Data Source: PIFSC Information Management System, Longline Logbook Data.

Report Coverage

Time Period 1 January - 30 June, 2019
Set Types Shallow sets
Fishing Area All Areas

Number of vessels active	14
Number of trips (partial or completed)	25
Number of sets	284
Number of hooks set	351,059

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	0	0	0	0.00
Striped marlin	12	9	3	0.03
Shortbill spearfish	18	13	5	0.05
Swordfish	3,435	3,317	118	9.78
Other billfishes	3	3	0	0.01
Total	3,468	3,342	126	9.88
Shark PMUS				
Blue shark	2,993	0	2,993	8.53
Mako sharks	197	98	99	0.56
Thresher sharks	5	0	5	0.01
Oceanic whitetip shark	0	0	0	0.00
Silky shark	0	0	0	0.00
Total	3,195	98	3,097	9.10
Tuna PMUS				
Albacore	81	81	0	0.23
Bigeye tuna	874	838	36	2.49
Yellowfin tuna	331	327	4	0.94
Bluefin tuna	0	0	0	0.00
Skipjack tuna	20	16	4	0.06
Other tunas	0	0	0	0.00
Total	1,306	1,262	44	3.72
Other PMUS				
Mahimahi	247	246	1	0.70
Moonfish	31	31	0	0.09
Wahoo	3	3	0	0.01
Oilfish	56	38	18	0.16
Pomfret	5	5	0	0.01
Total	342	323	19	0.97
Total PMUS	8,311	5,025	3,286	23.67
Non-PMUS Sharks	0	0	0	0.00
Total Non-PMUS	0	0	0	0.00
Total All Species	8,311	5,025	3,286	23.67

Table 5. For the period 1 January - 30 June, 2019, Hawaii and California permitted longline fisheries semi-annual statistics for all fishing areas and with deep set type, including effort (number of vessels, trips, sets, and hooks set), and for each listed species, organized by pelagic management unit species (PMUS) groups of billfish, shark, tuna, and other, along with the number of fish caught, kept, and released, and the catch per unit effort (CPUE, number per 1,000 hooks, calculated as the sum of fish caught divided by the sum of hooks set). Data Source: PIFSC Information Management System, Longline Logbook Data.

Report Coverage

Time Period 1 January - 30 June, 2019
Set Types Deep sets
Fishing Area All Areas

Number of vessels active	145
Number of trips (partial or completed)	874
Number of sets	11,229
Number of hooks set	31,349,464

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	6,602	6,563	39	0.21
Striped marlin	11,014	10,813	201	0.35
Shortbill spearfish	10,059	9,901	158	0.32
Swordfish	3,267	3,205	62	0.10
Other billfishes	182	178	4	0.01
Total	31,124	30,660	464	0.99
Shark PMUS				
Blue shark	43,946	2	43,944	1.40
Mako sharks	2,220	196	2,024	0.07
Thresher sharks	5,650	29	5,621	0.18
Oceanic whitetip shark	221	0	221	0.01
Silky shark	219	0	219	0.01
Total	52,256	227	52,029	1.67
Tuna PMUS				
Albacore	1,621	1,541	80	0.05
Bigeye tuna	111,928	109,666	2,262	3.57
Yellowfin tuna	27,139	26,373	766	0.87
Bluefin tuna	2	2	0	0.00
Skipjack tuna	20,487	20,269	218	0.65
Other tunas	0	0	0	0.00
Total	161,177	157,851	3,326	5.14
Other PMUS				
Mahimahi	17,823	17,697	126	0.57
Moonfish	10,839	10,793	46	0.35
Wahoo	24,532	24,429	103	0.78
Oilfish	8,133	6,851	1,282	0.26
Pomfret	29,331	29,128	203	0.94
Total	90,658	88,898	1,760	2.89
Total PMUS	335,215	277,636	57,579	10.69
Non-PMUS Sharks	150	0	150	0.00
Total Non-PMUS	1,332	80	1,252	0.04
Total All Species	336,547	277,716	58,831	10.74